UC 2: Create\_Profile

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| **Precondition: System shouldn’t have the registered user in the UTA system for the System User** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the main application screen (figure 1) |
| 1. TUCBW: The user selects the registration function on the main application screen | 1. System displays the registration form in the registration screen.(figure 2) |
| 1. System user fills the details and clicks on the register button | 1. System displays registration successful message and system user is redirected to the login screen. |
| 1. TUCEW: System user sees the registration successful message and is redirected to the login screen. |  |
| **Post Condition: The system creates a new account for the system user** | |

UC 1: Login\_user

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| --- | --- |
| **Precondition: The system shouldn’t have a registered system user logged in into the UTA system** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the main application screen (figure 1) |
| 1. TUCBW: The user selects the login function on the main application screen | 1. System displays the login form in the main application screen.(figure 2) |
| 1. System user fills in the account credentials and clicks on the login button | 1. System displays login successful message and system user is redirected to the System user home page |
| 1. TUCEW: System user sees the login successful message and is redirected to the home page |  |
| **Post Condition: The system logs in a registered System user** | |

UC 3: Logout\_user

|  |  |
| --- | --- |
| **Precondition: The system should have an user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the logout function on the User home screen | 1. System displays a confirmation dialog to the user before logging out |
| 1. System user clicks on the “yes” option of the log-out confirmation dialog | 1. System displays logout successful message and system user is redirected to the main Application page |
| 1. TUCEW: System user sees the logout successful message and is redirected to the main Application page |  |
| **Post Condition: The system logs out a logged in system user.** | |

UC 4: search\_facilities\_FM

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_facilities\_FM function on the User home screen | 1. System displays the search facilities form in the search facilities screen |
| 1. System user enters the details of the facility to be searched and selects the search function | 1. System queries the DB for the requested facility and upon successful completion displays the list of all available facilities to the System user on the facility view page |
| 1. TUCEW: System user sees the list of all available facilities. |  |
| **Post Condition: The system displays the available facility details to the Facility Manager** | |

UC 6: search\_user\_FM

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_user\_FM function on the User home screen | 1. System displays the search users form in the search\_users\_fm screen |
| 1. System user enters the details of the user to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the user list sorted by the username on the view\_users page |
| 1. TUCEW: System user sees the list of users queried for |  |
| **Post Condition: The system displays the details of the user to the Facility Manager** | |

UC 8: search\_reservation

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_reservation function on the User home screen | 1. System displays the search reservation form in the search\_reservations\_fm screen |
| 1. System user enters the details of the reservation to be searched and selects the search function | 1. System queries the DB for the requested reservation and upon successful completion displays the details of the reservation and the user who booked the reservation. |
| 1. TUCEW: System user sees the details of the reservation that it queried for. |  |
| **Post Condition: The system displays the details of the reservation and the user to the Facility Manager** | |

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| **Precondition: The system should have a Facility manager user logged in** |

UC 9: delete\_reservation

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_reservation function on the User home screen | 1. System displays the search reservation form in the search\_reservations screen |
| 1. System user enters the details of the reservation to be searched and selects the search function | 1. System queries the DB for the requested reservation and upon successful completion displays the details of the reservation and the user who booked the reservation. |
| 1. System user sees the details of the reservation that it queried for and selects the delete\_reservation function, | 1. System queries the DB with the selected reservation ID and upon successful change of deletion status returns successful message and the system user is redirected to the Search reservation page |
| 1. TUCEW: System user sees the deletion successful message and is redirected to the Search reservation page |  |
| **Post Condition: The system deletes the requested reservation from the DB** | |

UC 5: view\_facility\_details

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_reservation function on the User home screen | 1. System displays the search reservation form in the search\_reservations screen |
| 1. System user enters the details of the reservation to be searched and selects the search function | 1. System queries the DB for the requested reservation and upon successful completion displays the details of the reservation and the user who booked the reservation. |
| 1. System user sees the details of the reservation that it queried for and selects the search\_facility\_fm function, | 1. System queries the DB with the selected facility and upon successful completion redirects the system user to view\_facility\_details page and displays the details of the requested facility. |
| 1. TUCEW: System user is redirected to the view\_facility\_details page the facility details are displayed |  |
| **Post Condition: The system displays the details of the facility requested to the Facility Manager** | |

­ UC 7: view\_users

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_user\_FM function on the User home screen | 1. System displays the search users form in the search\_users\_fm screen |
| 1. System user enters the details of the user to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the user list sorted by the username on the view\_users page |
| 1. System user sees the list of the user queried for and selects the view user function | 1. The system redirects the user to the view\_users page and displays the user’s data in greater detail. |
| 1. TUCEW: The System user sees the detailed user data on the redirected view\_users page |  |
| **Post Condition: The system displays the details of the user to the Facility Manager** | |

UC 12: facility\_unavailable

|  |  |
| --- | --- |
| **Precondition: The system should have a Facility manager user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_all\_facility function on the User home screen. | 1. System displays the search facility form in the search\_all\_facility screen |
| 1. System user enters the details of the facility to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the facility list sorted by the facility name on the view\_facility page |
| 1. System user sees the list of queried facility, User selects the facility to toggle facility unavailable/available by selecting available function. | 1. System toggles the selected facility status in the DB. After it system will show a successful message and redirect user to view\_facility page. |
| 1. TUCEW: System user received the operation successful message and get redirected to view\_facility page |  |
| **Post Condition: The system displays the details of the facility to the Facility Manager** | |

UC 13: view\_profile

|  |  |
| --- | --- |
| **Precondition: The system should have a user[admin/facility manager/user] logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_profile function on the User home screen. | 1. System queries the DB and fetch user details and redirect the user to display result of query on the view\_profile page. |
| 1. TUCEW: User redirects to the view\_profile and see his details. |  |
| **Post Condition: The system displays the user his own details on view\_profile page** | |

UC 14: update\_profile

|  |  |
| --- | --- |
| **Precondition: The system should have a USER[facility manager/user] logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_profile function on the User home screen. | 1. System queries the DB and fetch user details and redirect the user to display result of query on the view\_profile page. |
| 1. User redirects to the view\_profile and see his details. Now user alter his information by overwriting the details and press save button. | 1. System verify the details and update the DB with the new details provided by user. System respond by sending an operation successful message to the user. |
| 1. TUCEW: System user receive the operation successful message and go the user home screen. |  |
| **Post Condition: The system takes the USER home screen** | |

UC 15: facility\_search

|  |  |
| --- | --- |
| **Precondition: The system should have a USER[admin/facility manager/user] logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the facility\_search function on the User home screen. | 1. System displays the search facility form in the search\_ facility screen |
| 1. System user enters the details of the facility and time to be searched and selects the search function | 1. System queries the DB for the requested facility type and time and upon successful completion displays the facility list sorted by the time on the view\_facility page |
| 1. TUCEW: System user sees the list of queried facility, sorted by the time. |  |
| **Post Condition: The system displays the details of the facility and redirect USER to view\_facility page.** | |

UC 16: reserve\_facility

|  |  |
| --- | --- |
| **Precondition: The system should have a user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the facility\_search function on the User home screen. | 1. System displays the search facility form in the search\_ facility screen |
| 1. System user enters the details of the facility and time to be searched and selects the search function | 1. System queries the DB for the requested available facility on the time requested and upon successful completion displays the facility list, sorted by the time, on the view\_facility page |
| 1. System user sees the list of queried facility type, sorted by the time. User selects a facility to reserve it. | 1. System validates the reservations details and upon success redirects the user to the reserve\_facility page with facility details and deposit amount for the facility. |
| 1. User see the facility details and pays the facility deposit fee and press reserve facility. | 1. System charge the cards with deposit amount and make a user reservation in the DB and displays the registration successful message to the user. |
| 1. TUCEW: User receive the Reservation successful message and amount deducted from the user card. |  |
| **Post Condition: The system makes reservation for the user for selected facility.** | |

|  |  |
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| **Precondition: The system should have a user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_reservation function on the User home screen. | 1. System queries the DB for the user own reservation and displays the result on the view\_reservations page |
| 1. TUCEW: System user sees the list of reservations made by him. |  |
| **Post Condition: The system displays the details of the reservations and redirect user to view\_reservation page.** | |

UC 17: view\_reservation

|  |  |
| --- | --- |
| **Precondition: The system should have a user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_reservation function on the User home screen. | 1. System queries the DB for the user own reservation and displays the result on the view\_reservations page |
| 1. System user sees the list of reservations made by him, User selects the Reservations he want to cancel by pressing cancel reservation button | 1. System validates the facility details of the selected facility and upon success make the status of reservation void. System also refund the deposit to the User account. |
| 1. TUCEW: System User receive and operation successful message from the system and receives the deposit amount for the facility. |  |
| **Post Condition: The system removed the reservation from the active state and make the facility available for the reservation by users.** | |

UC 18: cancel\_reservation

|  |  |
| --- | --- |
| **Precondition: The system should have a user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_reservation function on the User home screen. | 1. System queries the DB for the user own reservation and displays the result on the view\_reservations page |
| 1. System user sees the list of reservations made by him, User selects the Reservations he want to cancel by pressing modify reservation button | 1. System validates the facility details of the selected facility and upon success takes the user to the search\_facility page. |
| 1. System user enters the details of the facility and time to be searched and selects the search function | 1. System queries the DB for the requested available facility on the time requested and upon successful completion displays the facility list, sorted by the time, on the view\_facility page |
| 1. System user sees the list of queried facility type, sorted by the time. User selects a facility to reserve it. | 1. System validates the reservations details and upon success makes the user old reservation void and make a user reservation in the DB with and displays the registration updated message to the user. |
| 1. TUCEW: User receives the reservation updated message from the System and get redirected to the view\_reservation page |  |
| **Post Condition: The system removed the old reservation from the active state and make the facility available for the reservation by users. The deposit is used on the new reservation.** | |

UC 19: modify\_reservation

|  |  |
| --- | --- |
| **Precondition: The system should have a user logged in the System** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the view\_voilation function on the User home screen. | 1. System queries the DB for the user own violations and details and displays the result on the view\_voilations page |
| 1. TUCEW: System user sees the list of voilations made by him. |  |
| **Post Condition: The system displays the details of the voilation and redirect user to view\_voilation page.** | |

UC 20: view\_reservation

UC 21: search\_user\_admin

|  |  |
| --- | --- |
| **Precondition: The system should have a Admin user logged in the system** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_user\_admin function on the User home screen | 1. System displays the search users form in the search\_users\_admin screen |
| 1. System user enters the details of the user to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the user list sorted by the username on the view\_users page |
| 1. TUCEW: System user sees the list of users queried for |  |
| **Post Condition: The system displays the details of the user to the Admin** | |

UC 21: view\_user\_admin

|  |  |
| --- | --- |
| **Precondition: The system should have a Admin user logged in the system** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_user\_admin function on the User home screen | 1. System displays the search users form in the search\_users\_admin screen |
| 1. System user enters the details of the user to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the user list sorted by the username on the view\_users page |
| 1. System user sees the list of queried users. Admin then selects one of the user from list. | 1. System redirect the user to the view\_user\_details page with user details on the page. |
| 1. TUCEW: Admin on the view\_user\_details page with the details of the user that he selected. |  |
| **Post Condition: The system displays the details of the user to the Admin** | |

UC 21: edit\_user\_admin

|  |  |
| --- | --- |
| **Precondition: The system should have a Admin user logged in the system** | |
| **Actor: System User** | **System: MAC reservation user** |
|  | 0: System displays the System user home screen (figure 1) |
| 1. TUCBW: The user selects the search\_user\_admin function on the User home screen | 1. System displays the search users form in the search\_users\_admin screen |
| 1. System user enters the details of the user to be searched and selects the search function | 1. System queries the DB for the requested user and upon successful completion displays the user list sorted by the username on the view\_users page |
| 1. System user sees the list of queried users. Admin then selects one of the user from list. | 1. System redirect the user to the view\_user\_details page with user details on the page. |
| 1. Admin on the view\_user\_details page with the details of the user that he selected. Admin will then edit the user details and press edit user function. | 1. System verify the user details and update the user in the DB and displays a operation successful message to the System User. |
| 1. TUCEW: System User receiving and profile update successful message form the System. |  |
| **Post Condition: The system modifies the DB entry for user and redirect Admin to Home page.** | |